Capstone Project Ideas Maria Meza:

Idea 1: <https://www.kaggle.com/competitions/tlvmc-parkinsons-freezing-gait-prediction>

The purpose of this data set is to predict the start and stop of freezing of gait in people with Parkinson’s disease. This data will help understand why freezing of gait happens to people with Parkinson disease. This data was collected from lower-back 3D accelerometer data from subjects exhibiting freezing of gait, and is comprised of 3 data sets.

Idea 2: <https://www.kaggle.com/competitions/amp-parkinsons-disease-progression-prediction>

The purpose of this data set is to predict the progression of Parkinson disease based on specific protein abundance. This data set will make it easier to understand which proteins may have a key role in the progression of Parkinson disease. The data was derived from mass spectrometry readings of cerebrospinal fluid (CSF) samples.

Idea3: <https://www.kaggle.com/competitions/cafa-5-protein-function-prediction>

The purpose of this data set is to predict the function of the cafa-5 protein. Understanding this data set will help researchers better understand protein function which play a huge role in cell function and structure. This research could also eventually help in new drug development.